10/555,472

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FILE 'HOME' ENTERED AT 17:45:52 ON 30 SEP 2006

=> set abbr on perm
SET COMMAND COMPLETED

=> set plurals on perm
SET COMMAND COMPLETED

=> file caplus inpadoc
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         0.63       0.63

FILE 'CAPLUS' ENTERED AT 17:47:43 ON 30 SEP 2006
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FILE 'INPADOC' ENTERED AT 17:47:43 ON 30 SEP 2006
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=> s de 9421955/pn
L1            1 DE 9421955/PN

=> d l1 1 all

L1    ANSWER 1 OF 1  INPADOC  COPYRIGHT 2006 EPO on STN

LEVEL 1
AN    38353314 INPADOC
TI    PLANETWALZENEXTRUDER.
PA    ENTEX RUST & MITSCHKE GMBH, 44805 BOCHUM, DE
PAS   RUST & MITSCHKE ENTEX
PAA   DE
DT    Utility Model
PIT   DEU1 UTILITY MODEL
PI    DE 9421955           U1 19970619
AI    DE 1994-21955        U  19940920
PRAI  DE 1994-21955        U  19940920
      DE 1994-4433487      IA 19940920
OSDW  97-260140
ICM   (6) B29C047-42
IPCR  B29C0047-42 [I,A]; B29C0047-82 [I,A]
      B29C0047-38 [I,C*]; B29C0047-78 [I,C*]
EPC   B29C47/42; B29C47/82


=> file uspatfull caplus japio
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         5.96       6.59

FILE 'USPATFULL' ENTERED AT 17:50:11 ON 30 SEP 2006
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FILE 'JAPIO' ENTERED AT 17:50:11 ON 30 SEP 2006
COPYRIGHT (C) 2006 Japanese Patent Office (JPO)- JAPIO
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=> s (planet?(2a)extrud?)(s)(vinyl or monomer# or addition or polyaddition or
polymer? or react? or copolymer?)
L2          136 (PLANET?(2A) EXTRUD?)(S)(VINYL OR MONOMER# OR ADDITION OR POLYAD
                DITION OR POLYMER? OR REACT? OR COPOLYMER?)

=> s extruder(6a)(polymeriz? or polymeris? or copolymeriz? or copolymeris?)
L3         1476 EXTRUDER(6A)(POLYMERIZ? OR POLYMERIS? OR COPOLYMERIZ? OR COPOLYM
                ERIS?)

=> s l2 and l3
L4            5 L2 AND L3

=> d l4 1-5 ibib abs

L4   ANSWER 1 OF 5  USPATFULL on STN
ACCESSION NUMBER:        2004:31976  USPATFULL
TITLE:                   Process for the preparation of urethane (meth)
                         acrylates
INVENTOR(S):             Weihrauch, Thomas, Duelmen, GERMANY, FEDERAL REPUBLIC
                         OF
                         Wenning, Andreas, Nottuln, GERMANY, FEDERAL REPUBLIC OF
PATENT ASSIGNEE(S):      Degussa AG, Duesseldorf, GERMANY, FEDERAL REPUBLIC OF
                         (non-U.S. corporation)

                              NUMBER        KIND    DATE
                         ---------------- ------ --------
PATENT INFORMATION:      US 2004024118      A1   20040205
APPLICATION INFO.:       US 2003-367887     A1   20030219  (10)

                               NUMBER        DATE
                         ------------------ --------
PRIORITY INFORMATION:    DE 2002-10250512   20021029
                         DE 2002-10206483   20020216
DOCUMENT TYPE:           Utility
FILE SEGMENT:            APPLICATION
LEGAL REPRESENTATIVE:    OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C., 1940
                         DUKE STREET, ALEXANDRIA, VA, 22314
NUMBER OF CLAIMS:        29
EXEMPLARY CLAIM:         1
LINE COUNT:              514
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB       The invention relates to a process for the solvent-free, continuous
         preparation of urethane (meth)acrylates in an extruder, intensive
         kneader, intensive mixer or static mixer. These urethane acrylates can
         be used for the preparation of radiation-curable transparent or
         pigmented coating compositions, in particular powder coating
         compositions.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4   ANSWER 2 OF 5  USPATFULL on STN
ACCESSION NUMBER:        2001:197121  USPATFULL
TITLE:                   Peroxidic treatment of olefin polymers
INVENTOR(S):             Huber, Karl, Frankenthal, Germany, Federal Republic of
                         Schwind, Jurgen, Bornheim, Germany, Federal Republic of
                         Lehr, Klaus, Volxheim, Germany, Federal Republic of
                         Elser, Hermann, Wachenheim, Germany, Federal Republic
                         of
                         Klassen, Horst, Erftstadt, Germany, Federal Republic of
                         Kagerbauer, Karl-Heinz, Erftstadt, Germany, Federal
                         Republic of
PATENT ASSIGNEE(S):      Basell Polyolefine GmbH, Ludwigshafen, Germany, Federal
                         Republic of (non-U.S. corporation)
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	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6313228	B1	20011106
APPLICATION INFO.:	US 1999-441553		19991117 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	DE 1998-19854285	19981125

DOCUMENT TYPE: Utility
FILE SEGMENT: GRANTED
PRIMARY EXAMINER: Lipman, Bernard
LEGAL REPRESENTATIVE: Keil & Weinkauf
NUMBER OF CLAIMS: 9
EXEMPLARY CLAIM: 1
LINE COUNT: 612
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A process peroxidically treats olefin polymers with di-tert-butyl peroxide in an extruder. The olefin polymers together with di-tert-butyl peroxide under an inert gas are fed to an extruder. The olefin polymers are used in a finely divided form at from 55 to 110° C. The use of peroxidically treated olefin polymers for producing moldings, fibers, films or nonwoven spunbond fabrics is described, as is a process for producing moldings, fibers, films or nonwoven spunbond fabrics.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 3 OF 5 USPATFULL on STN
ACCESSION NUMBER: 91:10863 USPATFULL
TITLE: Preparation of hydroxy terminated polysiloxanes
INVENTOR(S): Trego, Brian R., Dinas Powys, Wales
PATENT ASSIGNEE(S): Dow Corning S.A., Senneffe, Belgium (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4990555		19910205
APPLICATION INFO.:	US 1990-467062		19900118 (7)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1988-254018, filed on 6 Oct 1988, now abandoned		

	NUMBER	DATE
PRIORITY INFORMATION:	GB 1987-24956	19871024

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Marquis, Melvyn I.
ASSISTANT EXAMINER: Hellender, Karen A.
LEGAL REPRESENTATIVE: Elliott, Edward C.
NUMBER OF CLAIMS: 11
EXEMPLARY CLAIM: 1
LINE COUNT: 403
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The specification discloses a method of preparing a polysiloxane by chain extension of a silicon compound having chain terminating units including a silicon-bonded hydroxyl group which comprises bringing about condensation of the silicon-bonded hydroxyl groups at a temperature of less than 50° C. in presence of an acidic condensation catalyst of the formula RSO.sub.3 H and water, to an extent of less than 7 moles per mole of acidic condensation catalyst. The silicon compound may comprise a hydroxyl end-blocked polydimethylsiloxane having a viscosity at 25° C. in the range 30 to 100,000 mm.sup.2 /s, and it may be polymerized to provide an α,ω dihydroxy polydimethylsiloxane having a viscosity in the range 1,000 mm.sup.2 /s to 100,000 mm.sup.2 /s or more. Preferred acidic condensation catalysts are those in which R is

an alkyl group having a chain of 6 to 18 carbon atoms or a group R"C.sub.6 H.sub.4 where R" represents a hydrogen atom or an alkyl group having a chain of 6 to 18 carbon atoms. The preferred catalyst is dodecylbenzenesulphonic acid. A basic material may be added to the reaction mixture to neutralize said catalyst for example calcium carbonate or magnesium carbonate. The reaction mixture may be compounded to provide a curable composition, for example a moisture curable sealant composition comprising a mixture and/or a reaction product of the polysiloxane and a curative, a catalyst and finely divided filler.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2004:1016079 CAPLUS
DOCUMENT NUMBER: 142:7003
TITLE: Solvent-free manufacture of acrylic polymers as pressure-sensitive adhesives
INVENTOR(S): Langenbuch, Jessica; Massow, Klaus; Zoellner, Stephan
PATENT ASSIGNEE(S): Tesa A.-G., Germany
SOURCE: PCT Int. Appl., 31 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004101627	A1	20041125	WO 2004-EP5349	20040518
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
DE 10322830	A1	20041209	DE 2003-10322830	20030519
EP 1626994	A1	20060222	EP 2004-733535	20040518
R: DE, ES, FR, GB, IT				

PRIORITY APPLN. INFO.: DE 2003-10322830 A 20030519
WO 2004-EP5349 W 20040518

AB Acrylic polymers useful especially for double-stick adhesive tapes are manufactured by radical polymn. of acrylic monomers in a reaction extruder. For example, acrylic acid-Bu acrylate copolymer adhesive with weight-average mol. weight 557,000 and polydispersity 3.5 was manufactured by passing a mixture of acrylic acid 5, Bu acrylate 95, bis(2,2'-phenylethyl thiocarbonate) (mol. weight regulator) 0.124 and AIBN 0.015% through a planetary gear extruder. The application temperature of the adhesive on a film substrate is 120°.

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2004:1016078 CAPLUS
DOCUMENT NUMBER: 141:424586
TITLE: Continuous production of polymers made of vinyl compounds by bulk and/or solvent polymerization
INVENTOR(S): Koenig, Sven; Langenbuch, Jessica; Massow, Klaus;

	Zoellner, Stephan
PATENT ASSIGNEE(S):	Tesa A.-G., Germany
SOURCE:	PCT Int. Appl., 30 pp.
	CODEN: PIXXD2
DOCUMENT TYPE:	Patent
LANGUAGE:	German
FAMILY ACC. NUM. COUNT:	3

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004101626	A1	20041125	WO 2004-EP5339	20040518
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
DE 10322830	A1	20041209	DE 2003-10322830	20030519
EP 1631599	A1	20060308	EP 2004-733562	20040518
R: DE, ES, FR, GB, IT				

PRIORITY APPLN. INFO.:	DE 2003-10322830	A	20030519
	WO 2004-EP5339	W	20040518

AB The polymers having weight-average mol. weight Mw >400,000 and/or polydispersity Mw/Mn >5 are manufactured by polymn. of vinyl monomers in a planetary gear extruder under specified conditions (no examples).

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d l4 1 hit

L4 ANSWER 1 OF 5 USPATFULL on STN

CLM What is claimed is:

1. A process for the solvent-free, continuous preparation of a urethane (meth)acrylate having a melting range of from 30 to 130° C. by reacting A) at least one polymer containing hydroxyl groups, B) at least one di- or polyisocyanate, C) at least one polymerizable compound having at least one free hydroxyl group and a polymerizable (meth)acrylate group in an extruder, intensive kneader, intensive mixer or static mixer by thorough mixing and brief reaction with heat supply and subsequent isolation of the end product by rapid cooling.

8. A process according to any one of claims 1 to 7, characterized in that the reaction is carried out in a single-screw, twin-screw or multiscrew extruder, ring extruder or planetary extruder.